

## 8.2 RUN EDITS

### Introduction

Once the edit tests for your survey have been defined and the production code generated (section 8.1), you are ready to run the edit tests against the survey data. There are 3 different types of edit runs: batch, interactive, and single ID.

Batch edits run on the entire survey. They are run using scripts and are usually scheduled to run at a specific time. Edit rejects resulting from the batch edit run are stored in the DATA00 library in a data set called EDITREJ.

Interactive edits can be run on the entire survey or on a selection set. They are run in the user's own work area and will not impact other users who may be working with the survey data. Interactive edits are not scheduled to run at a set time, but are run immediately. Edit rejects resulting from the interactive edit are automatically saved in a selection set called "SELSET\_E". Interactive edit rejects are stored in the USERLIB library in a data set called EDITREJ.

Single ID edits are run in the Review and Correction module from the ID by Item and ID Matrix screens. An option in the EDIT p-menu allows you to run the single ID edits on the ID currently displayed on the screen. How to run single ID edits is discussed in detail in chapter 4.2 and will not be explained in this chapter.

Details on running the batch edit and the interactive ID edit are discussed in detail below.

### 8.2.1 BATCH EDITS (Survey-level)

#### Introduction

- Batch edits are run on all IDs in the survey.
- Users must have RUNPRIV = “P” to run edits at the batch-level.
- The EDTPF flag in the Stat Period Control file is updated whenever a batch edit is run. If at least one edit failure exists for an ID, a flag of “F” is assigned. IDs that pass all edit tests are assigned a flag of “P”. (The EDTPF field is blank for IDs that have not been edited.)
- Edit rejects resulting from a batch edit run can be viewed or printed by accessing the View Edit Results screen.
- You may also review edit rejects in the Review and Correction module by creating a selection set, where EDTPF = ‘F’.
- IDs viewed in the Review and Correction module that have at least one edit failure (as a result of the batch edit) will have an “S” displayed in the IDFLAGS field. Click on the “S” to view the edit reject(s) for that case.

#### Accessing the Screen

- Click on the RUN PROCESSES button from the StEPS Main Menu.
- Click on the EDIT button from the Run Processes Menu.
- Select the “Batch Edit” option to display the following:

NOTE: You may also access this screen by clicking on the GOTO p-menu from select edit screens and then selecting the “Batch Edit” option.

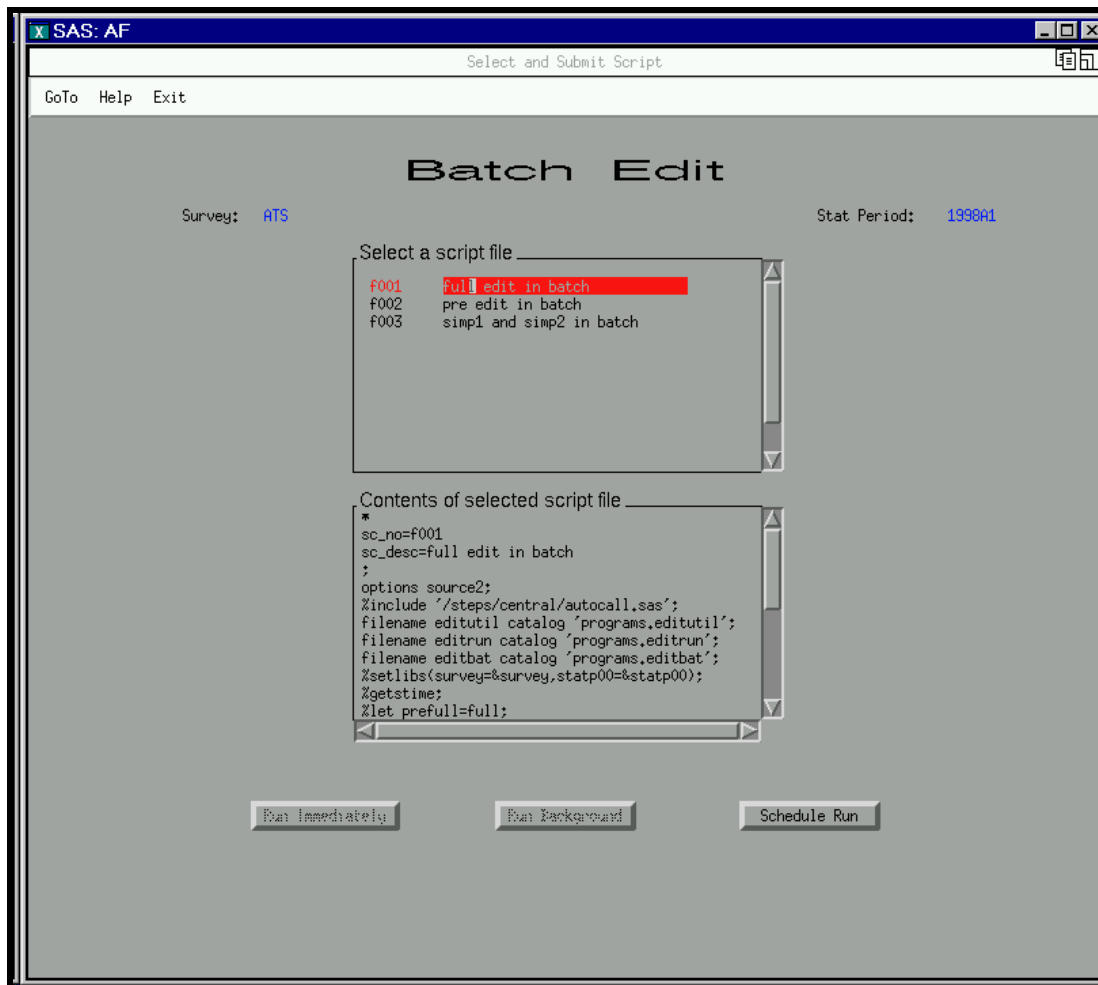


Figure 8.2.1a Batch Edit Screen

## Screen Features

- Select a script file

A list of available script files is displayed in Box 1. Click on the script you wish to run.

(Scripts are SAS programs that ‘group’ together various commands and calls to modules that the survey needs performed in a given ‘run’. For instance, you might know that you always want the simple imputation to run before you run the edit. If this is the case, the script file will call the simple imputation program, and it will run simple imputation before it runs the edit. Survey managers and programmers should work together to determine what goes in a script file. Edit script files are stored in the PARMLIB library, “edgsfxxx.sas”, where “xxx” indicates a unique script number.)

- The contents of the script file (selected in Box 1) will display in Box 2.
- You may choose to run the edit immediately, run the edit in background, or schedule a run date by clicking on the appropriate button at the bottom of the screen.

**NOTE:** When running the edits on large surveys, you may want to schedule the edit to run in the evening, so that users currently processing data for that survey will not be impacted.

1. **Run Immediately**      The edit will run immediately. You may not do any work in StEPS until the edit program has finished executing.
2. **Run in Background**      The edit will run immediately (but in the “background”). You can continue working in StEPS while the edit program is running.
3. **Schedule Run**      You will be prompted to enter the date and time that you want the edit program to run:

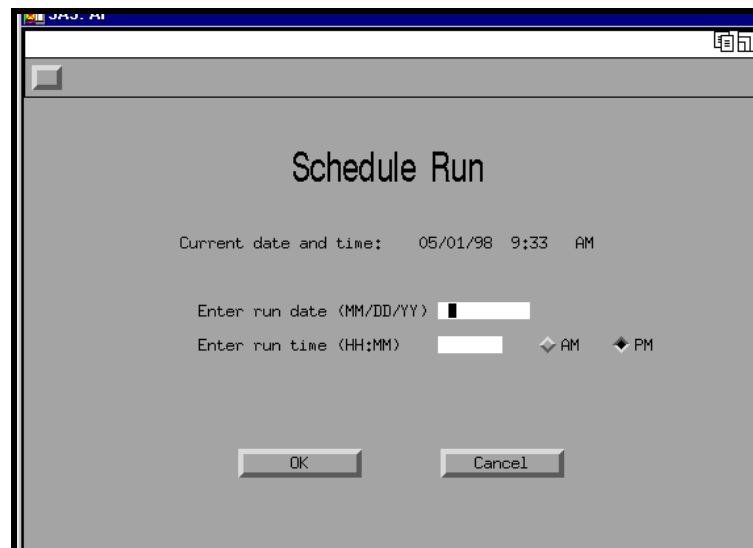


Figure 8.2.1b Schedule Run Screen

- a. Enter the run date in MM/DD/YY format, where ‘MM’ = month, ‘DD’ = day, and ‘YY’ = year. You may not enter a date that has already passed.
- b. Enter the run time in HH:MM format, where ‘HH’ = hour and “MM” = minute. Also indicate “AM” or “PM”.

- c. Click on “OK” to schedule the run. A confirmation message will display, verifying the date and time specified for execution of the edit program.
- Once the edit run has been completed:
    1. Edit rejects will be stored in a data set named EDITREJ in the DATA00 library.
    2. A “P” or “F” flag will be inserted into the EDTPF field in the Stat Period Control (C1) file to indicate whether an ID has passed or failed an edit. An “F” will be assigned if an ID has failed at least one of the edit tests. A “P” will be assigned if an ID has passed all of the edits. (The EDTPF field will be blank for IDs that have not been edited.)
    3. An “S” (survey-level reject) will be set in the IDFLAGS field (in the Review and Correction screens) for all IDs having at least one edit failure.
    4. A record will be inserted into the survey’s production log file to indicate that the batch run has been completed. The log will indicate the start time of the edit run, the end time, and the elapsed time. The module name will be “EDIT” and the submodule name will be “FULL”.
- NOTE: Access the production log screen via the MIS button from the StEPS Main Menu.
5. If you would like to have an e-mail message sent to you when the edit run has been completed, you can specify this in the “cc:Mail data set screen”. To do this:
    - a. Click on the SURVEY SPECIFICATIONS button from the StEPS Main Menu.
    - b. Click on the OTHER SPECIFICATIONS button from the Survey Specifications menu.
    - c. Select the “View/Update cc:Mail Dataset” option.
    - d. Follow the instructions provided on the screen to add or update information in this file.
- Edit reject lists (individual failures and summary) can be viewed or printed from the “View Edit Results” screen. Access this screen by selecting the “View Edit Results” option from the GOTO p-menu accessible on most of the edit screens. You may also access it via the VIEW RESULTS button from the StEPS Main Menu.
  - Users can review survey-level reject cases in the Review and Correction module by creating a selection set “where EDTPF = F”.

NOTE: You can further subset the “survey-level” reject selection set by including additional criteria in the where clause:

Example: where EDTPF = ‘F’ and SIC = ‘3625

## P-Menus

P-menu	Options	Function
GOTO	Edit Definitions Generate/View Code Interactive Edit View Edit Results	Access Edit Definitions screen Access Generate/View Code screen Access Interactive Edit screen Access View Edit Results screen
HELP	WhoamI (F7) Batch Edit Help (F1)	Display user default and systems information Display help information on running the batch edit
EXIT	StEPS Main Menu (Home) Exit (F3)	Return to StEPS Main Menu Exit to previous screen

### 8.2.2 INTERACTIVE EDITS (User-level)

#### Introduction

- Interactive edits can be run on all IDs in a survey or on an existing selection set only.
- Unlike the batch edits, where users must have RUNPRIV = “P”, users with RUNPRIV = “U” can run interactive edits.
- Interactive edits are run in the users own work area. They are run immediately and cannot be scheduled to run at a later date/time, as can the batch edits. Failures are automatically stored in a selection set named “SELSET\_E”. This selection set will be overwritten with new rejects each time an interactive edit is run.
- Interactive edit rejects can be viewed or printed via the View Edit Results screen.
- You may also review edit rejects in the Review and Correction module by accessing the selection set, “SELSET\_E”.
- The IDFLAGS field in the Review and Correction screens will contain a “U” for any ID that has failed at least one edit test.

#### Accessing the Screen

- Click on the RUN PROCESSES button from the StEPS Main Menu.
- Click on the EDIT button from the Run Processes Menu.
- Select the “Interactive Edit” option to display the following:

NOTE: You may also access this screen by clicking on the GOTO p-menu from select edit screens and then selecting the “Interactive Edit” option.

SAS: EPBU10 - V3.0 - rober031 - Interactive Edits

GoTo    HELP    Exit

Survey: NSURV    Stat Period: 1998A1    Date: 03NOV03:13:08:28

## Interactive Edit

☒ Save when EXIT

Source file to be edited \_\_\_\_\_

Selection Set: ▶    

Excluding case conditions \_\_\_\_\_

☐ BYEDIT00 = 'B'    ☐ CKNOTE00 = .    ☐ PCFLG00 = 'C'

Subset IDs of the selection set in SAS code: ▶

Edit Running Options \_\_\_\_\_

Choose from 1 of the following events:

☒ Full Edit  
☐ Pre Edit

Update option

☒ Update EFLG4  
☐ Do not update EFLG4

Selection of Tests

☐ 1. Required Data Item Tests  
☐ 2. Range Tests  
☐ 3. List Directed Tests  
☐ 4. Balance Tests  
☐ 5. Survey Rule Tests  
☒ 6. All of Tests  
☐ 7. Others - Using WHERE clause below

EFLG4 updating is only enabled with "7. All of Tests" option

NOTE: Edit code is generated in realtime for all selections

Subset Tests in SAS Code: ▶

Figure 8.3.2 Interactive Edit Screen



## Screen Features

- Choose whether you wish to run the “Full edit” or “Pre-edit” by clicking on the appropriate radio button. (See section 8.1 for more information on full edits and pre-edits.)
- Select the “type” of edit test you wish to run. (Note that #7 allows you to run ALL of the edit tests, excluding the “Negative” test.)
- You may run the selected edit for ALL IDs in the survey, or for a specified selection set, by clicking on the appropriate button. If you choose to process an existing selection set, you will be prompted to choose one from a pick list.

Be selective when choosing to run the edit on ALL IDs. If you are processing a large survey, choosing “all” (vs. a selection set) will take longer to run.

If you choose to process all IDs in the survey, the total number of observations (cases in the survey) will display in the upper left corner of the screen. Likewise, if you choose a selection set, the total number of IDs in that selection set will display.

- You may subset the data by creating a WHERE clause. You may either type the WHERE clause in the data entry box or click on the arrow at the top of the box for a screen with prompts to help you create the clause (see section 8.1 for full description of this screen). The WHERE clause options available through the down arrow at the side of the data entry box are:

Check syntax  
Clear WHERE  
Save As - which allows you to name and save the clause

NOTE: You cannot create selection sets from this screen. If you wish to create a new selection set on which to run the edit, you must return to the Review and Correction Main Menu to create it.

- Once you have chosen an event, an edit type, and the set of IDs on which to run the edit, click on the “Run” button at the bottom of the screen. The edit program will run immediately.
- When the edit run has finished executing:
  1. Edit rejects will be stored in a data set named EDITREJ in the USERLIB library.
  2. A selection set named, SELSET\_E will be created and stored in the SELECT library. This selection set will enable you to review (in the Review and Correction portion of StEPS) those case ID’s that have failed at least one of the edit tests.

3. A “U” (user-level reject) will be set for IDs (having at least one edit failure) in the IDFLAGS field in the Review and Correction screens.
4. A message will display, asking you if you would like to view the results of the edit run. Click “Yes” to access the “View Edit Results” screen; otherwise, click “No.”

### **P-Menus**

<b>P-menu</b>	<b>Options</b>	<b>Function</b>
GOTO	Edit Definitions Generate/View Code Batch Edit View Edit Results	Access Edit Definitions screen Access Generate/View Code screen Access Batch Edit screen Access View Edit Results screen
HELP	WhoamI (F7)	Display user default and systems information
EXIT	StEPS Main Menu (Home) Exit (F3)	Return to StEPS Main Menu Exit to previous screen